

REQ TR CHECK . 20-05-73 T312

INVESTIGATION OF THE EFFECTIVENESS OF FILM
COOLING UNDER THE ACUTAL CONDITIONS OF SOME
ENGINES

ZOLOTOGOROV, M.S.

UR: INZHERERNO-FIZICHESKIY ZHURNAL,
VOL 22, NO. 1, 1972, pp. 45-49

Process in as
HS74 - 23 - 0312

DENISOV. YE. YE.

//INZHENERNO-FIZICHESKIY ZHURNAL//

--/08/1971, V0021, N0002

Statement of the two dimensional nonstationary
problem of thermal conductivity for a bladed
wheel of a gas turbine 12 pp

pp 257-264 AIR/FTD/Ht-23-725-74##

EXPERIMENTAL STUDY OF UNSTEADY THERMOELECTRIC
COOLING. II EXTREMUM CURRENT REGI *13 feb*

IORDANISHVILI, LANGUAGE-RU COUNTRY-UR

INZH.-FIZ. ZHURNAL, VOL 22, #2 (FEB.), 1972,
220-226

ARM
FSTC-HT-23-1768-73

11-Sep-73
Uncl (MLM--2082(tr)) Question of the optimal size of
the separating slit. PABINOVICH, G.D.; GUREVICH, R.YA.
Translated from Inzh.-Fiz. Zh.: 22: No. 5, 825
828(1972). 7p. Dep. VTIS \$4.00.

07A chemical engineering; translations
nn-4 P NSA

Korotkov, N. V.

WALL DATA

SECRET - PLECHINSKY ORIGINAL, 11 82, 1982

884

NYC 73-21502-80D

NTIS N73-13296

Uncl (MLM--2083(tr)) 11-Sep-73
gaseous multicomponent isotopic mixtures. RABINOVICH,
G.D.; IVAKHNIK, V.P. Translated from Inzh.-Fiz. Zh.
22: No. 6, 1020-1026(1972). 11p. Dep. NTIS \$4.00.

07A chemical engineering; 07D chemistry (physical);
translations
MN-4 P NSA

Study of Gas Flow in Parallel Jets, by Yu. M. RUDOV.
INZH-FIZ ZH. Vol 22, No 6, 1972, pp 1133
NAVY/APL/JHU-T-2702

May 73

Calculation of the Two-Dimensional Wake Behind a
Body, by L. I. Skurin.
INZH-FIZ ZHURNAL, Vol 23, No 1, 1972, pp 104-111.
NAVY/APL/JHU-T-2725

June 73

Study of Jet System Mixing with a Transverse Flow in
a Duct, by V. V. Zlobin.

INZH-FIZ ZHURNAL, Vol 23, No 3, 1972, pp 541-544

NAVY/APL/JHU-T-2742

May 73

The Effectiveness of Film Cooling with a Negative
Longitudinal Pressure Gradient, by V. A. Zysin.
INZHENERNO-FIZ ZHURNAL, No 6, 1972, pp 1001-1007.
NAVY/APL/JHU-T-2749

June 73

Segeyev, V.M.

Reaction of graphite with carbon dioxide at
temperatures of 1200°C.

INZHENERNO-FIZICHESKIY ZHURNAL, Vol. 23, N.6,
pp.1064-1070, 1972.

APL/JHU T-2767

BURN-UP OF THE HIGH TEMPERATURE PRODUCTS OF I
NCOMPLETE COMBUSTION IN A SUPERSON

SHAYKHUTDUNOV, LANGUAGE-RU COUNTRY-UR

INZHENERNO-FIZICHESKIY ZHURNAL, V. XXV, #2, 1
973 197-203.

FSTC-HT-23-0032-75

Morozov, M. G.

Circulatory motion in the base region of axis
ymmetric bodies.

INZHENERNO-FIZICHESKII ZHURNAL

pp. 918-921, 1973.

APL/JHU T-2843

GOLUBKOV, V. S.

//INZHENERNO-FIZICHESKI ZHURNAL//

--/--/1974, V0026, N0002,

Optimal Size of a Suspension Tube in Nitrogen-free
Helium Cryostats, 6 pp.

pp 220-225, CIA-X-7000@@

PANKRATOV, N.A.
//INZH.-FIZ. ~~INZH.~~//
--/--/1974,V0026,N0006,pp 1067-1071,
Thermal Connections to Diminish Heat Influxes in
Cryostats, 5 pp
CIA-X-7921

##

Smirnov, V.M.

On an Algorithm for Recognition of
Binary Codes 4 pp

INZHEN.-MATEM. METODY V FIZ I KIBERNET., MIFI,
1971, pp 93-96

CIA-X-7888

Combat Support of Offensive Operations of the Motorized
Rifle (Tank) Battalion (Company), by Belokon', 165 pp.
INZHENERNOYE ORESPECHENIYE NASTUPLENIYA MOTOSTRELKOVOGO
(TANKVOGO) BATAL'ONA (ROTY), 1964.
ACSI K-3428

Apr 73

Agency: Army/Redstone #7

P.O.# : MIPR No. A31632-48-7187

424472836
19 Feb 15Title: Axisymmetric Oscillations of a Spherical
Shell Partially Filled with Fluid.

Author: L. I. Galabukh, A. G. Molchanov

Source: Inzhenernyi Zhurnal - Mekhanika Tverdogo
Tela, Sep-Oct, 55-61 (1967)

Language: Russian

Special Instructions: Please translate.
Edited draft only.

OSESIMMETRICHNYE KOLEBANIYA SFERICHESKOY

OBOLOCHKI, CHASTICHNO ZAPOLNENNOY ZHIDKOST'YU.

ENGINEER COMMUNICATIONS ON PERMAFROST SOIL & P
PIPELINE CONSTRUCTION IN THE NORTH

complete 258 pp
YASTREBOV, A L LANGUAGE-RU COUNTRY-UR

INZHENERNYYE KOMMUNIKATSII NA VECHNOMERZLYKH
GRUNTAKH

LIT. PO SROITEL'S., LENINGRAD, 1972, 176 PP

ARM
FSTC-HT-23-1392-73

Polyakov, V.M.

Ionospheric Processes

IONOSFERNYYE PROTSSESY, 1968, 536 pp

*NTIS-TT-74-53011

*NASA-TT-F-821

Ionosphere disturbances and their influence on radio communications. 323 pp.

IONOSFERNIYE VOZMUSHCHENIYA I IKH VLIYANIYE NA
RADIOSVYAZ, 1971
NASA TT F 746-73

may 73

Herczeg, Andras

Indexes of Chemical Industry Research and
Development Presented, 15 pp.

IPARGAZDASAG, Budapest, No 10, Oct 73,

pp 39-43.

JPRS 60924

Jan 74

Nagy, Jozsef

Development of Industrial Investments Reviewed,
14 pp.

IPARGAZDASAG, Budapest, No 10, Oct 73, pp 44-48.
JPRS 61123

Mar 14

Drecin, Jozsef

Socialist Economic Policy, Enterprise Management Examined, 10 pp.

IPARGAZDASAG, Budapest, No 1, Jan 74, pp 1-5.

JPRS 61797

Jun 74

Harsanyi, Istvan

Socialist Enterprise Management and Organization
Trends Discussed, 12 pp.

IPARGAZDASAG, Budapest, No 1, Jan 74, pp 6-10.

JPRS 61897

Jul 74

al-'Utaybah, Mani' Sa'id

Oil Production and Profits Increase in Abu
Dhabi, 7 pp.

IQTISADIYAT ABU DHABI, Abu Dhabi, 1971,
pp 165-179.

JPRS 61293

Mar 74

Zahran, Fu'ad Sami

Role of Computer Examined in Context of Mideast
Conflict, 5 pp.

AL-IQTISAD WA AL-MUHASABAH, Cairo, Oct 73,
pp 42-43, 46.
JPRS 61121

Mar 74

KURETS, V. K.

//IRKUTSKIY FITOTRON//

--/--/1974,V----,N----, pp 0003-0023

The Irkutsk Phytotron -- Experience in Planning
and Adjusting 19 pp

JPRS 63697

#

Dynamic Phenomena Related to Gas Flow in the Blast
Furnace - 1, by F. Himer.
IRSID REPORT - ORE-COKE-IRON REPORT, no RP 60, 1961,
May, pp 48.
BISI 9581

April 73

HISADA, T.

//^oxyo//

969, V0023, H----, pp 0462-0471

Changes in ribonuclease activity in
serum and urine during the course of surgical
treatment for cancer of the digestive organs
and other diseases Part 11

NTC 75-10280-06E

#

hisada, t.

//IKYO//

--/--/1969, V0023, H---, pp 0613-0625

Changes in fibronuclease activity in serum
and urine during the course of surgical
treatment for digestive organ cancer
and other diseases Part III

NTC 75-10281-06E

Kuchin, N. N.

Ischemic heart disease and cosmic radiation.

ISHEMICHESKAYA BOLEZN' SREDTSA I KOSMICHESKOYE IZLUCHENIYE

ZDRAVOOKHRANENIYE KAZAKHSTANA, No 3, 1973, pp 19-22

**NASA TT F 14,992*

K. Tachimoto, et al

Welding of 9% Nickel Steel Tanks for Low Temperature Service.

ISHIKAWAJIMA-HARIMA TECH. REV., Vol 6, 1980, pp389.

BISI 9491

Aug 73

Voskhennikova, T.P.

1967

Fossilized peridinid algae in the Jurassic, Cretaceous
and Palaeogene deposits of the USSR (Iskopaemye peridinei
Iurskikh, Melovykh i Paleogenovykh otlozhenii SSSR)
Izd. "Nauka," Moscow, 347p. In Russian.

Transl. by Dr. B. Lee in 2 vol. for NLL, 1971, 453p.,
processed. Avail. NLL, price \$5.50 per set.

Avail. on Loan - NMFS, Wash., D.C.

Original Article Checked. *NR*

Foreign Newsmen Question Minister on Food
Situation, 17 pp.

ISI, Delhi, 0630 GMT, 10 Oct 74.

JPRS 63345

Dec 74

Features, Philosophy of Fourth Plan Are
Dissected and Analyzed, 6 pp.
ISLAH-ANIS, Kabul, 30 May 73, p 14; 2 Jun 73,
p 9; 3 Jun 73, p 9.
JPRS 59656

Sep 73

Fourth Five-Year Plan Is Discussed in Greater
Detail, 10 pp.

ISLAH-ANIS, Kabul, 4 Jun 73, p 9; 5 Jun 73,
p 9; 6 Jun 73, p 9.

JPRS 59416

Jul 73

Problems of University Scientific Research
Center Are Discussed, 6 pp.
ISLAH-ANIS, Kabul, 20 Jun 73, p 11.
JPRS 59599

Aug 73

Modern Legislation in Country Is Reviewed,
14 pp.

ISLAH-ANIS, Kabul, 26 Jun 73, p 13; 30 Jun 73,
p 13; 3 Jul 73, p 13.

JPRS 59797

Sen 73

Jalalar, Mohammad Khan

1973/74 Budget Message Is Read to Parliament,
9 pp.

ISLAH-ANIS, Kabul, 10 Jul 73, pp 1, 2, 8.
JPRS 59898

Sep 73

Evolutionary Nature of Legislation in Afghanis-
tan Is Described, 5 pp.
ISLAH-ANIS, Kabul, 10 Jul 73, p 13.
JPRS 59898

Sep 73

Evolutionary Nature of Legislation in Afghanistan Is Described, 5 pp.

ISLAH-ANIS, Kabul, 14 Jul 73, p 13.

JPRS 59940

Sep 73

Nation's Industry, Agriculture Require Serious
Attention, 5 pp.

ISLAH-ANIS, Kabul, 2 Aug 73, p 7.

JPRS 60084

Oct 73

Behrens, H.

The Connection Between Explosion Mach Number
and Reaction Heat of Gas Explosion

ISI-TECHNISCHE MITTEILUNG T 37/69

ACSI M-1995

FSTC-H-23-1451-72

11-Oct-73

Uncl (MLM--2092(TR)) Depletion column for the collection of protium oxide, H_2O , by isotope exchange between hydrogen and water. MERCEA, V.; PALIBRODA, N.; FODOR, T.; STOICOVICI, L. Translated from Isotopenpraxis; 4: No. 8, 328-330(1958). 8p. Dep. NTIS \$3.00.

07A chemistry(separation); 18D isotopes; translations
MN-22 P NSA

SCHUETTE, H. R.

//ISOTOPENPRAXIS//

--/--/1971,V0007,N----, pp 0279-0282

The absorption, translocation and
elimination of prophan in sugar beets

NTC 74-13928-06A

#

Unclassified (ORNL-tr--2671) Chemical purification and conversion of electromagnetically separated isotopes of cadmium. Kellner, K. Translated by L.T. Newman (Oak Ridge National Lab., TN), from Isotopenpraxis; 8: 22-25(1972). 8p. Dep. NTIS.

18D isotopes; translations
MN-23 P NSA

2-Jul-73

Uncl (SLAC-Trans--156) Measurement and reproduction of the roentgen exposure unit at the German measurement and testing agency. Part II. Cavity ionization chambers for ^{60}Co and ^{137}Cs gamma radiation. HECKER, O.; ROTHE, H. Translated from Isotopenpraxis; 8: No. 10, 373-379(1972). 22p. Dep. NTIS \$3.25.

18D instrumentation; translations
MN-37 P NSA

11-Oct-74

Uncl (ANL-Trans--960) Recent results in the
application of column extraction chromatography in
inorganic analysis. STRONSKI, I. Translated from
Isotopenpraxis; 9: 273-279(1973). 18p. Dep. NTIS
\$4.00.

07 chemistry (analytical); 07E chemistry (radio and
radiation); translations
MN-4 NP NSA

MISSILE SYSTEM,ANTI-TANK,AND LONG RANGE SPARK
IERO,1972 RISERVATO

LANGUAGE-IT COUNTRY-IT

ISPETTORATO DELLE ARMI DI FANTERIA E CAVALLER
IA, SEPT 21, 1972,36PAGES

FSTC-HT-23-1528-73

9844/2465
30 Oct. 74

Library of Congress

Doc. LB75-780

Utilization of Paper Pulp in Restoration Work
Yu. P. Nyuksha
Restoration of Library Material, 1958, p.41-48
Russian

Instructions: Please translate, type single space, no
paste-up, leave space, translate all information.

ZOVANIYE BUMAZHNOCY MASSY V RESTAVRATSIONN
RABOTAKH.

Gubin, V. I.

*Use of empirical influence functions for the prediction
of meteorological fields. 115 pp.*

ISPOL'ZOVANIYE EMPIRICHESKIKH FUNKTSIY VLIYANIYA DLYA
PROGNOZA METEOROLOGICHESKIKH POLEY, 1970, pp 1-111
AIR/FTD-MT-24-432-73

Kravtsova, V. I.

Use of Space Images for Glacier Investigation of Mountainous Regions.

ISPOL'ZOVANIYE KOSMICHESKIKH SNIMKOV DLYA GLYATSIOLOGICHESKOGO IZUCHENIYA GORNYKH RAYONOV, Feb. 12-17, 1973,

30 pp.

*NASA TT F 14,969

RUSSIAN

CSO: 8344/1097
3 December 1973

Use of Radio Transmission Material for Evaluation of
the State of the In-Flight Crew, by V. A. Kurashvili

Moscow-Baku, Ispol'zovaniye Materialov Radioperegovorov
dlya otsenki Sostoyaniya Chlenov Letnykh Ekipazhey v
Polete, ~~XXXXXXXXXXXXXXXXXXXX~~ 1973

Special type B
Do not publish
Translator's draft plus one copy.

REQ TR CHECK · 28-08-73 T388

LABORATORY MODELLING OF EXPLOSIONS WITH
REGARD TO OUTBURST

ADUSHKIN, V.V.; RODIONOV, V.N.

UR: ISPOL'ZOVANIYE VZRYVA V NARODNOM
KHOZYAYSTVE, NO. 3, 1970, pp. 3-15

Process in an
HT 74-23-0388

REQ TR CHECK

10-04-73

T506

INVESTIGATION OF THE RESISTANCE OF A STREAM
OF EXPLOSION PRODUCTS FROM SECONDARY
EXPLOSIVES

KOROL'KOV, V.L.; MEL'NIKOV, M.A.

UR: ISPOL'ZOVANIYE VZRYVA V NARODNOM
KHOZYAYSTVE. VZRYVCHATYIE VESHCHESTVA I
SPEDSTVA VZRYVANIYA. 1970, pp. 83-91

Process in a
1573-23-449

neg
17 APR 73

Skubachevskiy, L. S.

Testing Jet Engines. 111 pp.

ISPYTANIYA VOZDUSHNO-REAKTIVNYKH DVIGATELEY, 1972,
pp. 3-6; 7-40; 56-77; 165-167; 181-193; 225-228.

AIR/FTD-MT-24-96-73

ISSLED STOP GO TO NEXT WORD

Popovich, D.I.

Investigating the Electronic Properties of
Metals and Alloys

ISSLEDOVANIYE ELEKTRONNIKH SVOISTV
METALLOV I SPLAVOV 1967, 135 pp

*NTIS-TT-74-52042

Minichev. Yu. S.

On the faunal composition, ecology and systematics
of the family retusidae (opisthobranchia
cephalaspidea) from possett bay, sea of Japan.
ISSLEDOVANIYA FAUNY MOREI, v. 8, p. 230-241, 1970.
NTC 73-11165-08A

Explorations of the Fauna of the Seas XII (XX)
Geographical and Seasonal Variability of Marine
Plankton

ISSLEDOVANIYA FAUNY MOREI XII (XX)
GEOGRAFICHESKAYA I SEZONNAYA IZMENCHIVOST'
MORSKOGO PLANKTONA 1972, 266 pp

*Keter Pub. 9 Sep 73

Works of the Arctic & Antarctic Scientific-Research
Institute - Study of the Physical Nature of Ship Icing,
by Ye. P. Borisenkov, Ed., Vol 298.

ISSLEDOVANIYE FIZICHESKOY PRIRODY OBLEDENENIYA SUDOV,
1972.

ACSI K-3655

186 pp.

Apr 73

Study of immunological reactivity
ISSLEDOVANIYE IMMUNOLOGICHESKOY REAKTIVNOSTI,
Academy of Sciences USSR, Moscow, 1973, 6 pgs.
NASA TT F 15,089

Investigation of the ionosphere and meteors. 89 pp
ISSLEDOVANIYE IONOSFERY I METEROV, 1971.
NASA TT F-744-73